

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An optical fiber cable comprising:

a12 cont. two or more optical fibers and a partitioning spacer housed in a space encircled by a sheath;

the partitioning spacer including an axial portion and a plurality of partitioning plate portions;

the partitioning spacer having a sectional shape that the partitioning plate portions radially extend toward an inner circumferential surface of the sheath from the axial portion; and

each of the partitioning plate portions having a leading end provided with an enlarged portion in contact with the inner circumferential surface of the sheath and a connecting portion connecting the enlarged portion to the axial portion, wherein the enlarged portion has a substantially circular shape in cross section;

wherein the space encircled by the sheath is divided into a plurality of partitioned slots by the partitioning plate portions, and the respective optical fibers are distributed so that two or more optical fibers are not provided in a single partitioned slot.

2. (Currently Amended) ~~The~~ An optical fiber cable according to Claim 1 comprising:
two or more optical fibers and a partitioning spacer housed in a space encircled by a sheath;

the partitioning spacer including an axial portion and a plurality of partitioning plate portions;

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cont. the partitioning spacer having a sectional shape that the partitioning plate portions
radially extend toward an inner circumferential surface of the sheath from the axial portion;
and

each of the partitioning plate portions having a leading end provided with an enlarged
portion in contact with the inner circumferential surface of the sheath and a connecting
portion connecting the enlarged portion to the axial portion;

wherein the space encircled by the sheath is divided into a plurality of partitioned
slots by the partitioning plate portions, and the respective optical fibers are distributed so that
two or more optical fibers are not provided in a single partitioned slot, and

wherein at least one tension member is provided in a partitioned slot without an
optical fiber provided therein.

3. (Currently Amended) ~~The~~ An optical fiber cable ~~according to Claim 1~~ comprising:
two or more optical fibers and a partitioning spacer housed in a space encircled by a
sheath;

the partitioning spacer including an axial portion and a plurality of partitioning plate
portions;

the partitioning spacer having a sectional shape that the partitioning plate portions
radially extend toward an inner circumferential surface of the sheath from the axial portion;
and

each of the partitioning plate portions having a leading end provided with an enlarged
portion in contact with the inner circumferential surface of the sheath and a connecting
portion connecting the enlarged portion to the axial portion;

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cont.

wherein the space encircled by the sheath is divided into a plurality of partitioned slots by the partitioning plate portions, and the respective optical fibers are distributed so that two or more optical fibers are not provided in a single partitioned slot, and

wherein at least one selected from the group consisting of a power line and an information transmission line is provided in a partitioned slot without an optical fiber provided therein.

4. (Original) The optical fiber cable according to Claim 1, wherein the sheath has a hardness of not higher than 95 Shore A hardness.

5. (Original) The optical fiber cable according to Claim 4, wherein the sheath consists of thermoplastic resin, and the thermoplastic resin is one selected from soft vinyl chloride, chlorinated polyethylene and soft polyethylene.

6. (Currently Amended) ~~The~~ An optical fiber cable ~~according to Claim 1~~ comprising:
two or more optical fibers and a partitioning spacer housed in a space encircled by a sheath;

the partitioning spacer including an axial portion and a plurality of partitioning plate portions;

the partitioning spacer having a sectional shape that the partitioning plate portions radially extend toward an inner circumferential surface of the sheath from the axial portion;
and

each of the partitioning plate portions having a leading end provided with an enlarged portion in contact with the inner circumferential surface of the sheath and a connecting portion connecting the enlarged portion to the axial portion;

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cont. wherein the space encircled by the sheath is divided into a plurality of partitioned slots by the partitioning plate portions, and the respective optical fibers are distributed so that two or more optical fibers are not provided in a single partitioned slot, and

wherein the sectional shape of the partitioning spacer has the following relations (1) and (2) when each of the enlarged portion has a maximum dimension L in a direction perpendicular to a radial direction, each of the connecting portion has a length K in the radial direction, each of the connecting portion has a dimension W in the direction perpendicular to the radial direction, and each of the optical fibers has an outer diameter R:

$$L - W \geq R \quad (1)$$

$$K \geq R \quad (2)$$

7. (Original) The optical fiber cable according to Claim 6, wherein at least one tension member is provided in a partitioned slot without an optical fiber provided therein.

8. (Original) The optical fiber cable according to Claim 6, wherein at least one selected from the group consisting of a power line and an information transmission line is provided in a partitioned slot without an optical fiber provided therein.

9. (Original) The optical fiber cable according to Claim 6, wherein the sheath has a hardness of not higher than 95 Shore A hardness.

10. (Original) The optical fiber cable according to Claim 9, wherein the sheath consists of thermoplastic resin, and the thermoplastic resin is one selected from soft vinyl chloride, chlorinated polyethylene and soft polyethylene.

11. (Original) The optical fiber cable according to Claim 1, wherein the optical fibers comprise graded refractive index plastic optical fibers.

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cont.

12. (Currently Amended) ~~The~~ An optical fiber cable ~~according to claim 11~~
comprising:
two or more optical fibers and a partitioning spacer housed in a space encircled by a
sheath;
the partitioning spacer including an axial portion and a plurality of partitioning plate
portions;
the partitioning spacer having a sectional shape that the partitioning plate portions
radially extend toward an inner circumferential surface of the sheath from the axial portion;
and
each of the partitioning plate portions having a leading end provided with an enlarged
portion in contact with the inner circumferential surface of the sheath and a connecting
portion connecting the enlarged portion to the axial portion;
wherein the space encircled by the sheath is divided into a plurality of partitioned
slots by the partitioning plate portions, and the respective optical fibers are distributed so that
two or more optical fibers are not provided in a single partitioned slot,
wherein the optical fibers comprise graded refractive index plastic optical fibers, and
wherein at least one tension member is provided in a partitioned slot without an
optical fiber provided therein.

13. (Currently Amended) ~~The~~ An optical fiber cable ~~according to Claims 11~~
comprising:
two or more optical fibers and a partitioning spacer housed in a space encircled by a
sheath;

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cont.
the partitioning spacer including an axial portion and a plurality of partitioning plate portions;

the partitioning spacer having a sectional shape that the partitioning plate portions radially extend toward an inner circumferential surface of the sheath from the axial portion;
and

each of the partitioning plate portions having a leading end provided with an enlarged portion in contact with the inner circumferential surface of the sheath and a connecting portion connecting the enlarged portion to the axial portion;

wherein the space encircled by the sheath is divided into a plurality of partitioned slots by the partitioning plate portions, and the respective optical fibers are distributed so that two or more optical fibers are not provided in a single partitioned slot,

wherein the optical fibers comprise graded refractive index plastic optical fibers, and
wherein at least one selected from the group consisting of a power line and an information transmission line is provided in a partitioned slot without an optical fiber provided therein.

14. (Original) The optical fiber cable according to Claim 11, wherein the sheath has a hardness of not higher than 95 Shore A hardness.

15. (Original) The optical fiber cable according to Claim 14, wherein the sheath is made of thermoplastic resin, and the thermoplastic resin is one selected from soft vinyl chloride, chlorinated polyethylene and soft polyethylene.

16. (Currently Amended) A method for ~~preparing~~ making an optical fiber cable defined in Claim 1, comprising distributing the optical fibers in the partitioning spacer, and

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cma's then forming the sheath by thermoplastic resin extruded from a resin extruder.

17. (Currently Amended) ~~The A~~ method for ~~preparing~~ making an optical fiber cable ~~according to Claim 16~~ comprising two or more optical fibers and a partitioning spacer housed in a space encircled by a sheath, the partitioning spacer including an axial portion and a plurality of partitioning plate portions, the partitioning spacer having a sectional shape that the partitioning plate portions radially extend toward an inner circumferential surface of the sheath from the axial portion, and each of the partitioning plate portions having a leading end provided with an enlarged portion in contact with the inner circumferential surface of the sheath and a connecting portion connecting the enlarged portion to the axial portion, wherein the space encircled by the sheath is divided into a plurality of partitioned slots by the partitioning plate portions, and the respective optical fibers are distributed so that two or more optical fibers are not provided in a single partitioned slot, said method comprising:

distributing the optical fibers in the partitioning spacer, and then forming the sheath by thermoplastic resin extruded from a resin extruder, further comprising and

heat-treating the partitioning spacer under a thermal environment at 70 - 90°C before preparation of the optical fiber cable.
